

NINTH REPORT ON APHID-HOST RELATIONSHIPS AT THE
LOS ANGELES STATE AND COUNTY ARBORETUM
(HOMOPTERA: APHIDIDAE)

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Abstract.—This is the ninth report on collections of aphids from plants in the Los Angeles State and County Arboretum at Arcadia, California. Sixteen species are listed with information on their hosts, date of collection, morphs collected, and abundance. This report completes the identification of all material collected by the late Dr. Harry G. Walker, formerly with the Department of Arboreta and Botanic Gardens, Los Angeles State and County Arboretum, Arcadia, California, and submitted to us for identification.

Key Words: aphids, host plants, California

Because aphids are important as plant feeders and vectors of plant viruses, information on their distribution and host plant relationships is of great importance. This is the ninth in a series of papers on the aphids and their host plants in the Los Angeles State and County Arboretum at Arcadia, California. This and four previous papers (Leonard et al. 1972, Leonard and Walker 1973, 1974, Walker et al. 1978) deal with a variety of aphids and their host plants. Four previous papers (Leonard et al. 1970, 1971a, b, c) dealt with six specific aphids and their hosts.

The late Dr. Harry G. Walker, formerly with the Department of Arboreta and Botanic Gardens, Los Angeles State and County Arboretum, Arcadia, California, was responsible for collecting the aphids identified in this paper. The following list includes under each aphid name the host plant, the date of collection, morphs collected, and the relative abundance. This report contains collection information not previously reported and completes the identification of

all material collected by Dr. Walker and submitted to us for identification.

The following abbreviations are used for morphs: al = alata, ap = aptera, and ny = nymph.

- Aphis craccivora* Koch
Amorpha fruticosa L.
28/IV/67 ap, ny Abundant
Artemisia maritima L.
23/V/66 ap, al, ny Abundant
Aphis fabae Scopoli
Nyssa sinensis D. Oliver
31/V/67 ap, ny Moderate
Aphis gossypii Glover
Carya ovata (Mill.) C. Koch
4/V/67 ap Scarce
Gossypium thurberi Tod.
7/VIII/66 al Scarce
Salix babylonica L.
1/V/67 ap, ny Scarce
Aphis spiraeicola Patch
Acanthopanax trifoliatum (L.) Voss
20/IV/67 ap, al, ny Moderate
Aloe sp.

28/III/66 al Scarce
Amorpha fruticosa L.
 28/IV/67 ap, ny Moderate
Anacampseros telephiastrum DC.
 29/III/66 ap, al, ny Abundant
Bauhinia variegata L.
 28/IV/67 ap, al, ny Scarce
Buddleia davidii Franch.
 25/III/66 al Scarce
Bursaria spinosa Cav.
 27/XII/66 ap, al, ny Abundant
Hypericum hookerianum Wight & Arn.
 20/IV/67 al Scarce
Lonicera fragrantissima Lindl. & Paxt.
 1/II/67 ap, al, ny Scarce
Pittosporum daphniphyllodes Hayata
 20/XII/66 ap, al, ny Abundant
Prunus lyonii (Eastw.) Sarg.
 22/V/66 al, ny Moderate
Rubus palmatus Thunb.
 1/VII/66 ap, al, ny Scarce
Aphis sp.
Wisteria floribunda (Willd.) DC.
 6/V/67 al Scarce
Aulacorthum solani (Kaltenbach)
Aralia cordata Thunb.
 4/V/67 al, ny Scarce
Carya ovata (Mill.) C. Koch
 4/V/67 al Scarce
Chrysanthemum 'Rambler'
 15/V/67 ap, al, ny Scarce
Liquidambar formosana Hance
 6/V/67 al, ny Scarce
Brachycaudus helichrysi (Kaltenbach)
Chrysanthemum 'Rambler'
 15/V/67 ap, al Scarce
Gazania linearis (Thunb.) Druce
 3/I/67 al Scarce
Cavariella pustula Essig
Salix sp.
 1/V/67 ap, ny Scarce
Chaitophorus sp.
Salix babylonica L.
 1/V/67 al Scarce
Eulachnus rileyi (Williams)
Hibiscus arnottianus A. Gray kauaiensis
 29/X/66 ap, al Scarce
Hysteronera setariae (Thomas)

Cynodon dactylon (L.) Pers.
 27/XII/66 ap, al, ny Abundant
Illinoia sp.
Spiraea longigemmis Maxim.
 4/V/67 ap, ny Scarce
Macrosiphum euphorbiae (Thomas)
Anacampseros telephiastrum DC.
 29/III/66 al Scarce
Macrosiphum rosae (L.)
Ilex cornuta Lindl. & Paxt.
 12/IV/66 ap, al, ny Moderate
Macrosiphum sp.
Gazania linearis (Thunb.) Druce
 3/I/67 ap, al, ny Abundant
Myzus persicae (Sulzer)
Anacampseros telephiastrum DC.
 29/III/66 ap, al, ny Scarce
Carya ovata (Mill.) C. Koch
 4/V/67 al Scarce
Ilex cornuta Lindl. & Paxt.
 12/IV/66 al Scarce
Lonicera fragrantissima Lindl. & Paxt.
 1/II/67 ap, al, ny Moderate
Lonicera maackii (Rupr.) Maxim.
 2/V/67 ny Scarce
Salix babylonica L.
 1/V/67 ap, ny Scarce

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